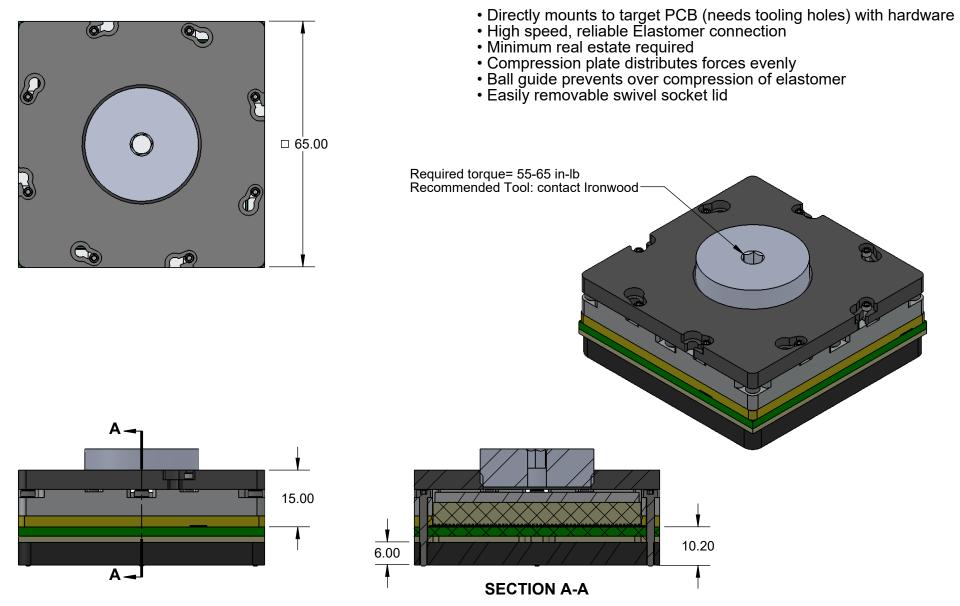
# GT-BGA DIRECT MOUNT, SOLDERLESS SOCKET

## Features



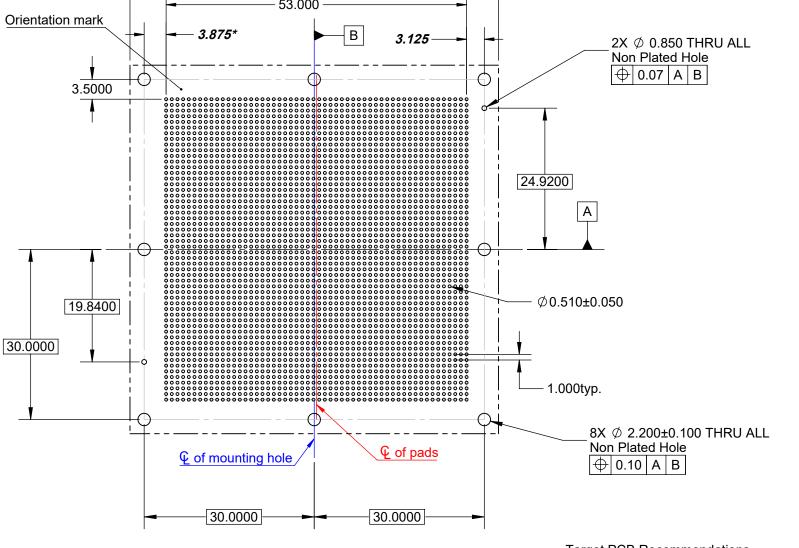
### Description: GT-BGA skt 55x55mm 1mm 54x54array

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

Tolerances: Hole diameters ±0.03mm [±0.001"], Pitches (from true position) ±0.025mm [±0.01"], substrate thickness tolerance ±10%, all other tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

GT-BGA-2076 Drawing	Finish: N/A Weight: 233.76	STATUS: Released	SHEET: 1 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204		ENG: S. Huang	DRAWN BY: S. Huang	SCALE: 1:1
www.ironwoodelectronics.com		FILE: GT-BGA-2076 Dwg	DATE: 12/01/2017	

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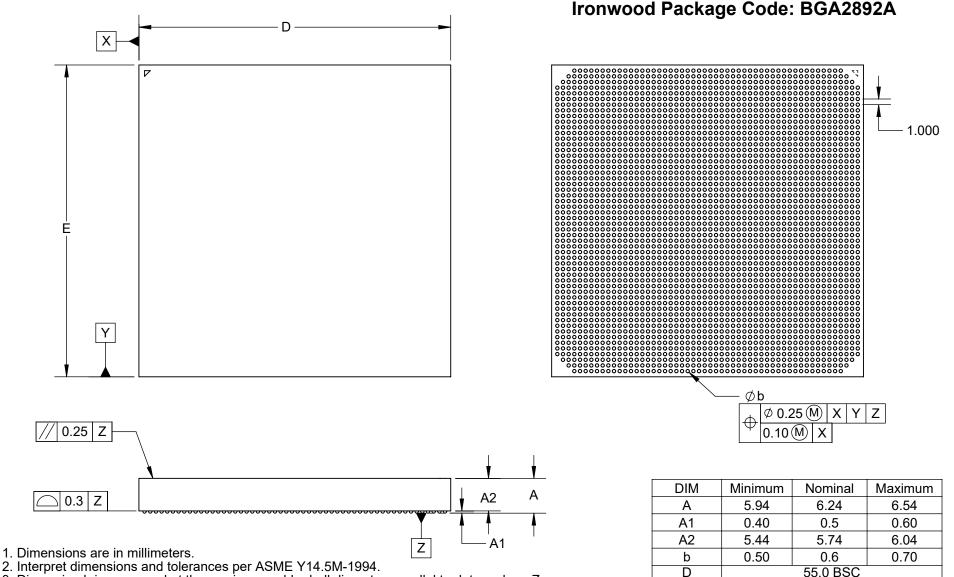
#### Description: Recommended PCB Layout

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

<u>Tolerances:</u> Hole diameters ±0.0254mm [±0.001"], Pitches (from true position) ±0.0762mm [±0.003"], substrate thickness tolerance ±10%, all other tolerances ±0.127mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

Target PCB Recommendations	
Total thickness: 2mm min.	
Plating: Gold or Solder finish	
PCB Pad height: Same or higher than solder r	nask

GT-BGA	A-2076 Drawing	Material: N/A	STATUS: Released	SHEET: 2 OF 4	REV. A
	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	ENG: S. Huang	DRAWN BY: S. Huang	SCALE: 3:2	
		Weight. 200.70	FILE: GT-BGA-2076 Dwg	DATE: 12/01/2017	



- 3. Dimension b is measured at the maximum solder ball diameter, parallel to datum plane Z.
- 4. Datum Z (seating plane) is defined by the spherical crowns of the solder balls.
- 5. Parallelism measurement shall exclude any effect of mark on top surface of package.

#### **Description: Compatible BGA**

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

Tolerances: Hole diameters ±0.03mm [±0.001"], Pitches (from true position) ±0.025mm [±0.001"], substrate thickness tolerance ±10%, all other tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

G	T-BGA-2076 Drawing	Material: N/A	STATUS: Released	SHEET: 3 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204	Finish: N/A Weight: 233.76	ENG: S. Huang	DRAWN BY: S. Huang	SCALE: 3:2	
			FILE: GT-BGA-2076 Dwg	DATE: 12/01/2017	

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e ARRAY

**PIN COUNT** 

55.0 BSC

1.00 BSC

54x54

2892

	ITEM NO.	Description	Material
	1	PCB 54x54array 1mm pitch	FR4
	2	Insulation Plate 55mm	FR4 High temp
	3	Dowel pin, 1/32" X 1/4", SS	Stainless Steel (18-8)
	4	GT IC Guide 55x55mm	Torlon 4203
	5	GT ball guide 55mm IC 1mm pitch 0.375mm shifting	Kapton Polyimide/Cirlex
$\frown$	6	BGA device 55x55mm, 54x54array 1mm pitch	High Temp FR4
(12)	7	#0-80 Shoulder Screw, 2.29mm thread length	Stainless Steel (303)
-(7)	8	Compression Screw, M30 10mm Thick with 4mm diameter hole	7075-T6 Aluminum Alloy
	9	GTL BGA2916 54x54 array 1mm pitch	N/A
	10	Screw, M2x0.4 x 18mm, Cap, SS, Min 16mm Thread	Stainless Steel (18-8)
3	11	Backing Plate 55mm IC	7075-T6 Aluminum Alloy
5	12	Socket Lid for 55mm IC	7075-T6 Aluminum Alloy
	13	Swivel Socket Base 55x55mm IC 7mm ht 0.375mm shifting	7075-T6 Aluminum Alloy
	14	Compression Plate for 55mm IC	7075-T6 Aluminum Alloy
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#### Description: Socket Assy, Insulation Plate

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams. <u>Tolerances</u>; Hole diameters ±0.03mm [±0.001"], Pitches (from true position) ±0.025mm [±0.001"], substrate thickness tolerance ±10%, all other tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

GT-BGA-2076 Drawing Material: N/A	STATUS: Released	SHEET: 4 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204 Finish: N/A Weight: 233.76	ENG: S. Huang	DRAWN BY: S. Huang	SCALE: 3:2
www.ironwoodelectronics.com	FILE: GT-BGA-2076 Dwg	DATE: 12/01/2017	